Dated: July 13, 2004

Signature:

## Docket No. AMENDMENT TRANSMITTAL LETTER AHN-070CP4 Filing Date Application No. Examiner Art Unit 09/670756-Conf. #6507 September 27, 2000 J. F. Murphy 1646 Applicant(s): Kenneth RHODES et al. Invention: POTASSIUM CHANNEL INTERACTORS AND USES THEREFOR TO THE COMMISSIONER FOR PATENTS Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below. **CLAIMS AS AMENDED** Claims Highest Remaining Number Number After **Previously Extra Claims** Amendment Paid Present Rate **Total Claims** 0.00 22 54 Х Independent 7 15 х Claims Multiple Dependent Claims (check if applicable) Extension for response within third month; Notice of Other fee (please specify): 1,280.00 appeal TOTAL ADDITIONAL FEE FOR THIS AMENDMENT: 1,280.00 Small Entity x Large Entity No additional fee is required for this amendment. 12-0080 1.280.00 × Please charge Deposit Account No. in the amount of \$ A duplicate copy of this sheet is enclosed. A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge and credit Deposit Account No. 12-0080 as described below. A duplicate copy of this sheet is enclosed. x Credit any overpayment. Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17. Dated: July 13, 2004 Amy E. Mandragouras Attorney Reg. No.: 36,207 LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400 I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309 880 530 US, in an envelope addressed to: MS AF, Commissioner for Patents, P. D. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

my E. Mandragouras)

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Applicant claims small entity status. See 37 CFR 1.27	EEE TOANCAUTTAL			Complete if Known				
Ellisative 1001/2003. Patent fees are subject to annual revision.    Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT (s) 1,280.00   Attorney Docket No. AHN-070CP4   METHOD OF PAYMENT (check all that apply)   FEE CALCULATION (continued)   Check	FEE TRANSMITTAL			cation	Numb	er 09/670756-Conf. #6507	09/670756-Conf. #6507	
Applicant claims small entity status. See 37 CFR 1.27	for EV 2004		Filing Date			September 27, 2000	September 27, 2000	
Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT (s) 1,280.00  METHOD OF PAYMENT (check all that apply)  Check Count Month of Payment (check all that apply)  Lahive & Cockfield, LLP  Topocial Account  Lahive & Cockfield, LLP  Tho Director is authorized to: (check all that apply)  Charge fee(s) indicated below. except for the filling fee  to the above-identified deposit account.  1052 50  Charge fee(s) indicated below. except for the filling fee  to the above-identified deposit account.  1153 105 105 1840 1805 1,8407 1805 1			First Named Inventor		Inver	ntor Kenneth RHODES	Kenneth RHODES	
Name	Effective 10/01/2003. Patent fees are subject to annual revision.				ame	J. F. Murphy	J. F. Murphy	
Check	Applicant claims small entity status. See 37 CFR 1.27		Art Unit			1646		
Check   Cords   Money   Other   None   None   Card   Card   Order   Other   None   Card   Card   Order   Other   Oth	TOTAL AMOUNT OF PAYMENT (\$) 1,280.00		Attorr	ey Do	ket No	D. AHN-070CP4		
Large Entity   Small Entity   Smal	METHOD OF PAYMENT (check all that apply)				FEE	CALCULATION (continued)		
Number   12-0080	Check Credit Money Order Other None	3. ADDITIONAL FEES						
Deposit   Code   (5)   Code	Deposit				<u>_</u> _	_		
Count   Coun						Fee Description	Fee Paid	
Name	Deposit Account Lahive & Cockfield, LLP	1051	130	2051	65	Surcharge - late filing fee or oath		
X   Charge any additional fee(s) or any underpayment of fee(s)   Indicated below, except for the filling fee   1804   920*   Requesting publication of SIR prior to Examiner action   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*   1805   1,840*	Name	1052	50	2052				
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.	X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053 130 Non-English specification				
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.	X Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
1805   1,840   1805	Charge fee(s) indicated below except for the filling fee	1804			920*			
1. BASIC FILING FEE		1805	1,840*	1805	1,840*	Requesting publication of SIR after		
1253   950   2253   475   Extension for reply within third month   950.00	FEE CALCULATION	1251	110	2251	55			
Fee   Description   Fee   Paid   1254   1.480   2254   740   Extension for reply within fourth month	1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month		
Code   (\$)   Code   (\$)   Code   Code   (\$)   Code   Code   (\$)   Code   Code   (\$)   Code   Code   Code   (\$)   Code   Code   Code   Code   Code   (\$)   Code   Code	Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	950.00	
1255   2,010   2255   1,005   Extension for reply within fifth month   330,00   1401   330   2401   165   Notice of Appeal   330,00   1401   330   2401   165   Notice of Appeal   330,00   1401   330   2402   165   Filling a brief in support of an appeal   1402   330   2402   165   Filling a brief in support of an appeal   1403   290   2403   145   Request for oral hearing   1403   1		1254	1,480	2254	740	Extension for reply within fourth month		
1003   530   2003   265   Plant filing fee   1402   330   2402   165   Filing a brief in support of an appeal   1403   290   2403   145   Request for oral hearing   1403   290   2403   145   Request for oral hearing   1405   150   1451   1,510		1255	2,010	2255	1,005	Extension for reply within fifth month		
1004   770   2004   385   Reissue filing fee   1403   290   2403   145   Request for oral hearing   1451   1,510   1451   1,510   Petition to institute a public use proceeding   1452   110   2452   55   Petition to revive – unavoidable   1453   1,330   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,430   2453   665   Petition to revive – unavoidable   1453   1,440   2450   2502   240   Design issue fee   1450   1,430   1,430   1,430   1,430   1,430   1,43	1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal 330.00		
1005   160   2005   80   Provisional filing fee	1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal		
SUBTOTAL (1) (\$) 0.00   1452 110 2452 55 Petition to revive – unavoidable   1453 1,330 2453 665 Petition to revive – unintentional   1452 110 2452 55 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1453 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,330 2453 665 Petition to revive – unintentional   1454 1,430 2452 140 Petition   1,330 250 1 665 Utility issue fee (or reissue)   1504 1,330 2451 665 Petition   1,330 250 1 665 Utility issue fee (or reissue)   1504 1,530 2450 240 Pesign issue fee   1460 130 1460	1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1005 160 2005 80 Provisional filing fee		· ·			· · · · · · · · · · · · · · · · · · ·		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra below Fee Pald below Fee Pald localisms  9 -20** =	SUBTOTAL (1) (\$) 0.00	1						
Total Claims   9   -20** =			7					
Total Claims 9 -20** =								
Independent Claims  Multiple Dependent  Large Entity Small Entity Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims in over original patent 1204 86 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 0.00 ** Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,280.00	Claims below Fee Paid				240	•		
Claims Multiple Dependent = 1807 50 1807 50 Processing fee under 37 CFR 1.17(q)  Large Entity   Small Entity   Fee   Fee   Code   (\$)   1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims in excess of 3 1204 86 2204 43 "Reissue independent claims over original patent over original patent   1205 18 2205 9 "Reissue claims in excess of 20 and over original patent   1205 18 2205 9 "Reissue claims in excess of 20 and over original patent   1206 180 1806 180 Submission of Information Disclosure Stmt   1806 180 1806 180 Submission of Information Disclosure Stmt   1807 50 Processing fee under 37 CFR 1.17(q)   1808 180							$\overline{}$	
Large Entity Small Entity  Fee Fee Fee (\$) Code (\$) Code (\$) Fee Obscription  1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3  1203 290 2203 145 Multiple dependent claims over original patent  1204 86 2204 43 "Reissue independent claims over original patent  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1206 180 1806 180 Submission of Information Disclosure Stmt  8021 40 8021 40 Recording each patent assignment per property (times number of properties)  1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))  For each additional invention to be examined (37 CFR 1.129(b))  1802 900 1802 900 Request for Continued Examination of a design application  Other fee (specify)  SUBTOTAL (2) (\$) 0.00 "Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,280.00		1460	130	1460	130	Petitions to the Commissioner		
Fee Food (\$) Code (\$) Fee Description  1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims, if not paid 1204 86 2204 43 "Reissue independent claims over original patent over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1206 18 2206 9 "Reissue claims in excess of 20 and over original patent  1207 18 2206 9 "Reissue claims in excess of 20 and over original patent  1208 18 2206 9 "Reissue claims in excess of 20 and over original patent  1209 1802 900 1802 900 Request for expedited examination of a design application  1209 1802 900 Request for expedited examination of a design application  1209 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application	Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
Code (\$) Code (\$) Fee Description  1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims, if not paid 1204 86 2204 43 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1206 18 2205 9 "Reissue claims in excess of 20 and over original patent  1207 18 2205 9 "Reissue claims in excess of 20 and over original patent  1208 18 2205 9 "Reissue claims in excess of 20 and over original patent  1209 18 2205 9 "Reissue claims in excess of 20 and over original patent  1209 18 2205 9 "Reissue claims in excess of 20 and over original patent  1209 18 2205 9 "Reissue claims in excess of 20 and over original patent  1209 18 2205 9 "Reissue claims in excess of 20 and over original patent  1209 18 2205 9 "Reissue claims in excess of 20 and over original patent  1200 18 2205 9 "Reissue claims in excess of 20 and over original patent  1200 18 2205 9 "Reissue claims in excess of 20 and over original patent  1200 18 2205 9 "Reissue claims in excess of 20 and over original patent  1200 18 2205 9 "Reissue claims in excess of 20 and over original patent  1200 1802 900 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application  1200 1802 900 Request for expedited examination of a design application	Large Entity Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt		
1201   86   2201   43   Independent claims in excess of 3   1810   770   2810   385   (37 CFR 1.129(a))		8021	40	8021	40	property (times number of properties)		
1203 290 2203 145 Multiple dependent claim, if not paid 1810 770 2810 385 For each additional invention to be examined (37CFR 1.129(b))  1204 86 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 SUBTOTAL (2) (\$) 0.00 ** Reduced by Basic Filing Fee Paid ** SUBTOTAL (3) (\$) 1,280.00		1809	770	2809	385			
over original patent  1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,280.00	· ·	1810	770	2810	385			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		1801	770	2801	385	•		
and over original patent  Other fee (specify)  SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,280.00	_ '	1802	900	1802	900			
, , , , , , , , , , , , , , , , , , , ,								
	SUBTOTAL (2) (\$) 0.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 1,280.00							
			-					

SUBMITTED BY		(Complete	(п аррисавіе))
Name (Print/Type) Amy E. Mandra	Registration No. (Attorney/Agent)	36,207 Telephone	(617) 227-7400
Signature		<b>&gt;</b>	July 13, 2004
			<del></del>

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 309 880 530 US, in an envelope addressed to: MS AF, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. below.

Dated: July 13, 2004

(Amy E. Mandragouras)